

# CENTRAL REGIONAL TRAUMA ADVISORY COMMITTEE

October 25, 2012

Classroom 5B, Benefis Hospital East Campus  
Great Falls

## MINUTES

1200–12:30      Lunch sponsored by Benefis Hospitals      Classroom 5B

12:30      REACH Network ON for Central RTAC meeting

The Central Montana Rural Trauma Advisory Committee (CRTAC) was called to order at 12:30 PM.  
By Lauri Jackson, Trauma Coordinator, Benefis Health Systems

### 1. Roll call

#### PRESENT

##### In Great Falls:

Lauri Jackson, APRN,  
Dirk Johnson Great Falls Fire and Rescue  
Marie Haynes Injury Prevention Coordinator  
Jennie Nemec RN, EMS and Trauma Systems Program manager  
Carol Kussman RN, EMS and Trauma Systems  
Chris Ludlum, Benefis ER, Flight and Trauma Director  
Scott Schandelson, RN, Chief Flight Nurse,  
Will Fleming EMT-P GFES Great Falls  
Jean Hannon-Northern Montana Hospital  
Kendra Puckett, ER Manager  
Michael Rosalez, EMT-P Great Falls  
Tim Sinton PA, Great Falls

##### REGION

##### Conrad

Laura Erickson, RN,  
Dave Richards EMT-P

##### Shelby

Jody Habets RN, DON

##### Chester

Kayla Johnson RN, Trauma Coordinator

##### Fort Benton

Deb Gessaman EMT

**ABSENT:** Representatives from: Choteau, Big Sandy, Cut Bank, Browning,

1. **Approval of previous meeting minutes**      Lauri Jackson APRN.  
Minutes approved
2. **State Trauma Care Committee activities & State Trauma Update**

**State Trauma Care Committee:** Next Meeting: November 14, 2012  
Members needed; MT Trauma Coordinators & MHA Rep.  
Minutes posted on EMSTS website

#### **Other meetings**

RTAC 2013 planning\_meeting December 18, 2012

### **2012 Rocky Mountain Rural Trauma Symposium**

ERTAC hosting September 13&14 @ Grantree Inn Bozeman MT  
303 attendees, 281 pre-registration, 8 no-shows, 33 walk-ins  
Scholarships; WRTAC 25  
CRTAC 15  
ERTAC 36

**2013 Rocky Mountain Rural Trauma Symposium** September 12 & 13, Great Falls, Best Western Heritage Inn CRTAC host

**2014 Rocky Mountain Rural Trauma Symposium** September 11 & 12, Missoula, Hilton Garden Inn, WRTAC host

### **Montana Systems Conference**

Wednesday September 12, 2012 @ Grantree Inn Bozeman MT  
70 attendees

Interfacility Transfers, Evidence-based practices, Distracted Driving Course, Breakouts, Trauma Registrars

### **2013 MT Trauma System Conference September 11, 2013 in Great Falls**

### **State Designation/Verification Review Schedule**

Re-designations: Dillon 8/9 TRF, Ronan 10-11 CTF, Polson 10/12 CTF, Big Timber 11/6 TRF, Ennis 11/7

New Designation: White Sulphur Springs TRF (7/19)

Focused Review: Sheridan TRF, Plentywood TRF

New designation reviews: Terry 9/27 TRF, Havre 11/15 ATF

Designated MT Trauma Facilities: 40

8 Non-CAH

31 CAH

1 Clinic

ACS Level II/ MT regional TC: 4

ACS Level III/ MT Area TH: 3

MT Area TH: 1

Community Trauma Facility: 7

MT Trauma Receiving Facility: 25

### **MT Area Trauma Center Redesignation** Designation Criteria

Implemented 2006

Current criteria revision review by STCC PI subcommittee

Public rules process after 2013 legislature

Clarify criteria, improve (not increase) requirements to reflect changing care culture over time

### **UPDATES**

#### **Web-Based Collector Goals**

- Eliminate paper abstract submission process
- Improve data accuracy
- Provide method for internal data reporting
- NHTSA Funds obtained
- Digital Innovations designing abbreviated web-based version of Collector
- Orientation of regional “super users”
- Product implementation to follow
- Facilities not currently submitting will be expected to implement process now that there’s a better tool

#### **Central Trauma Registry**

- Non-participation, inconsistent facility submissions
- Different data analysis
- No longer be providing case feedback for PI-allowing facilities to review/identify own PI issues

Mature/develop local PI processes

? total web-based system over time?

#### **Rural Flex grant Funds**

Coding Modules for:

E-coding

ICD-9/10 coding for diagnoses & procedures

Conduct WebEx sessions, record

Post on website for all

Support for surgeon site reviews for CAHs

### **MT Trauma Treatment Manual**

**Emulate ND Trauma Treatment Manual:** <http://www.ndhealth.gov/trauma/resource/default.asp?ID=353>

STTC Education Subcommittee working on components

Post on-line for all to download & use for;

- Trauma Patient Care
- Orientation, new staff & physicians
- Orientation, Locums providers & traveler staff
- Continuing Education template

Case Review Template: use as guidelines for reviewing cases;

Did we follow the guidelines? Were good decisions made why/why not and was that acceptable?

Are there GAPS in our care?

### **Hospital Preparedness**

- Regional /Area hospitals; \$30,000, All others; \$15,000
- 55 applications reviewed, checks out to 28, some in payment system, follow-up for remaining applications.
- Focused Activities;
- Involvement of hospitals @ community planning level
- Look @ county HVA & determine impact of named hazards on operations
- Update internal; HVAs & revisit preparedness related to those hazards
- participation in HavBed & MHMAS exercises required
- Region meetings w/planners 10/18-11/16

### **Pre Hospital meeting report Michael Rosalez**

- Boost Attendance
- Meetings ideas, suggestions
- Send out multiple reminders
- Always Tuesday before Thursday CRTAC

Narrow band radios, State has radios to give away as of Jan 1, 2013 contact Sheri Graham

**EMS- Systems Manager-** Shari Graham REMT-P, CCP [sgraham2@mt.gov](mailto:sgraham2@mt.gov) (406) 444-6098

### **EMD Training Courses**

Contact Joe Hansen [@EMSTS: jhansen3@mtr.gov](mailto:jhansen3@mtr.gov)

**EMS-Children Contact** Joe Hansen @EMSTS: [jhansen3@mt.gov](mailto:jhansen3@mt.gov)

**PHTLS:** Contact Rosie 406-455-5200

**ATLS Courses:** 9th Edition October 2012

New ATLS content

- Addition of heat injuries to thermal chapter
- Balanced resuscitation
- New Moulage/Initial Assessment Scenarios
- New Triage Scenarios

Applications can be found @ [www.dphhs.mt.gov/ems](http://www.dphhs.mt.gov/ems) Gail Hatch coordinates registration [ghatch@mt.gov](mailto:ghatch@mt.gov)  
406-444-3746

### **Ongoing State Wide Systems Issues:**

1. Pediatric Neurosurgery availability
2. Bariatric Trauma Patients  
New Pilatus PC-12 bariatric (650lb) FW aircraft; STAT-Air, Glasgow and Valley Med Flight, Williston & Grand Forks, ND, Kalispell/ALERT
3. Air Medical Activation; **Guidelines cards**
4. Interfacility Transfer issues **MT conference topic**
5. Anticoagulated trauma patients-**ERTAC-handout**
6. Hypothermic/ Normothermia philosophy; **Document Temps**
7. IV fluid resuscitation; Document **amount/type of IV fluids**
8. Updated MT Trauma Decision / TTA Criteria
9. Air/ground radio channel communications: Draft of communications cards to Air Medical Workgroup for feedback

## CRTAC Trauma Registry Report

### 1<sup>st</sup> and 2<sup>nd</sup> Quarter

January 1- June 30 2012

Facility data

## Facility Data

	# Records
Fort Benton - Missouri River Medical Center	2
White Sulphur Springs - Mountainview Medical Center	3
Havre Northern Montana Hospital	42
Townsend - Broadwater Health Center	1
Shelby - Marias Medical Center	8
Choteau - Teton Medical Center	2
Cut Bank - Northern Rockies Medical Center	5
Conrad - Pondera Medical Center	8
Great Falls - Benefis Health Care	156
Helena - St Peters Hospital	58
<b>Total</b>	<b>285</b>

Patients –Expired

Injury Cause MVC -2

Protective Devices Seatbelt-1 None -1

Patients Discharged Out of State

(To Acute Care)

### Patients Discharged Out of State (To Acute Care)

Facility	Transferred To	Injuries
HAVRE	SLC	BURNS
BENEFIS	HBV – 7	ORTHO – 3 NEURO/FACIAL 1 PELVIS – 1 LIVER/SPLEEN -2
	CRAIG - 1	REHAB

Pre-hospital patient care report in the medical record/ initial report

Initial Ground EMS PCR report total 180

Ground AMB report in medical record = 133 (74%)

Ground AMB report not in medical record = 47 (26%)

Pre-hospital patient care report in the medical records

Interfacility transfers total by ground =72

Total ground transfers=33

Transfer by ground w/trip report =11(55%)

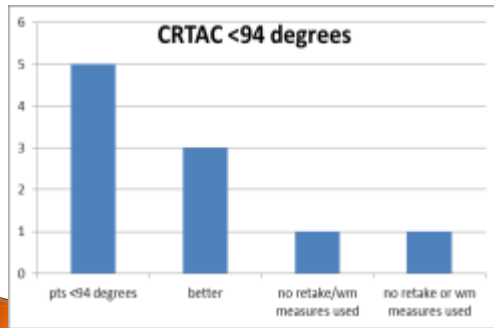
Transfer by ground w/no report=9 (45%)

### Hypothermic patients CRTAC 1 & 2 quarter 2012

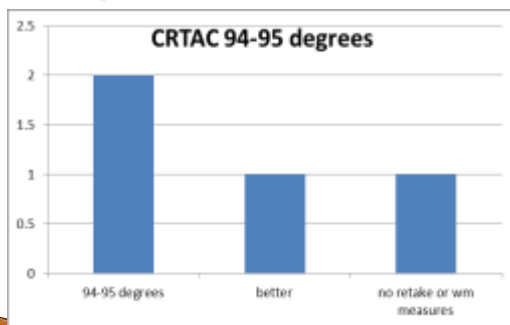
285 total patients

28 patients no temp taken

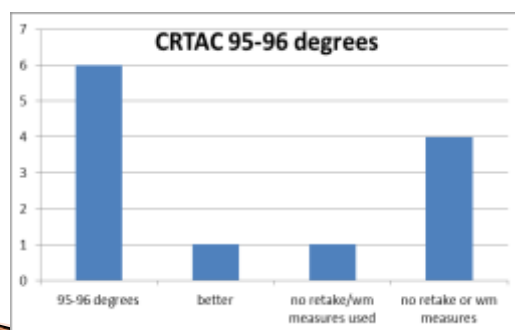
## Hypothermic patients CRTAC 1 & 2 Qtr 2012



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## Hypothermic patients CRTAC 1 & 2 Qtr 2012



### “Normothermia” Promotion

Small numbers YTD

Need ongoing effort for documentation:

Record initial ED temp and EMS if applicable

Record wm measures implemented

(Collector users, 93.35 procedure code)

Temp monitoring /serial documentation with other VS and trauma resuscitation efforts.

### GCS< 9 & not intubated:

2 cases discussed, 1 death

### Records by quarter

1<sup>st</sup> quarter 91

2<sup>nd</sup> quarter 194

### Gender:

178 males

107 females

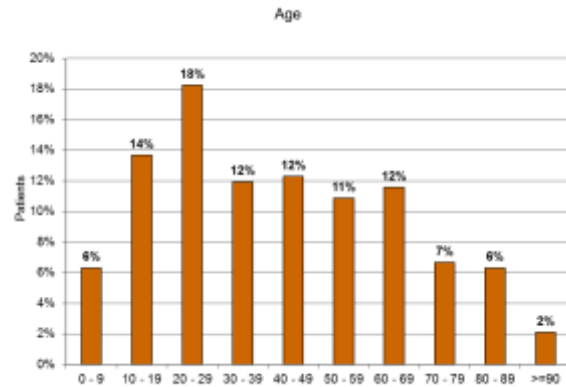
### Race

White-217

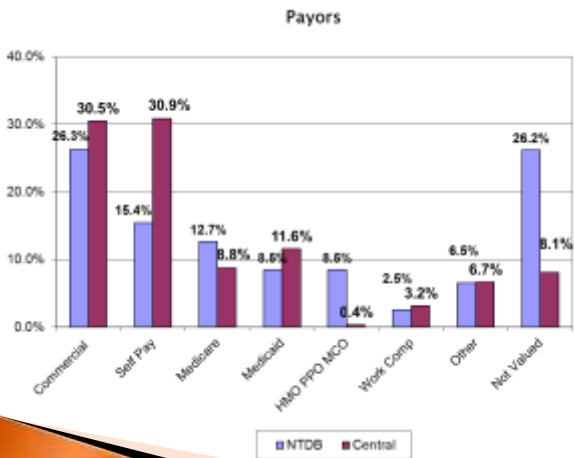
American Indian-59

Other-3

Not valued-6



NV=8.1%



### Injury Type

Blunt-93% (266)

Penetrating-6% (16)

Anoxic-0

Burns-1% (2)

Unknown-0

### **Blunt Injury Cause**

MVC-34%  
Fall-29%  
Assault-4%  
Motorcycle-13%  
Pedestrian-1%  
Bicycle-2%  
Horse Related-2%  
Other-8%  
Not valued-8%

### **Arrival Time**

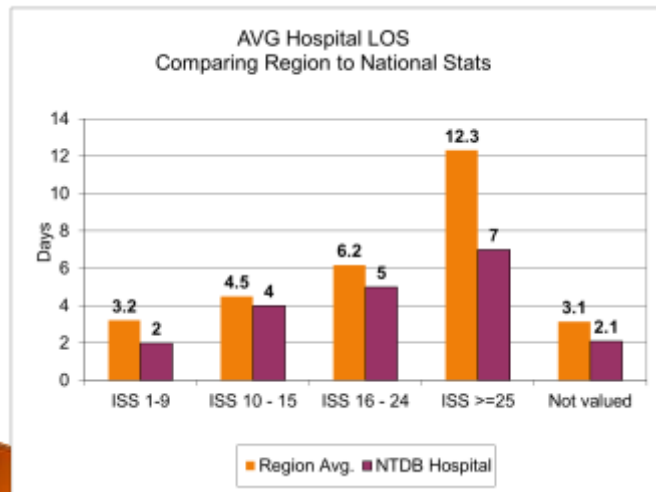
0000-0599-17%  
0600-1159-14%  
1200-1759-35%  
1800-2359-34%

### **ED Disposition**

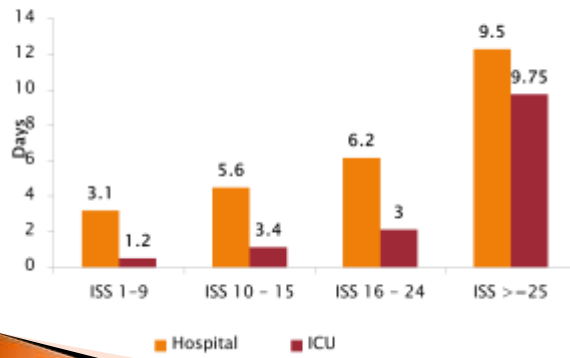
General Admission 41%  
ICU/PICU 21%  
OR 11%  
Transfer 19%  
Died 1%  
Home 5%  
Not valued 1%

### **ED Home by ISS**

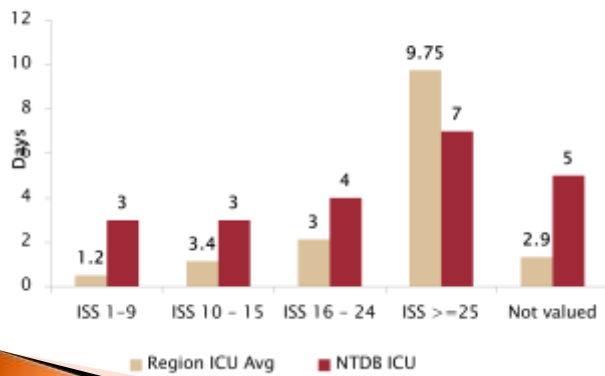
1-9=15  
10-15=0  
16-24=0  
25 $\geq$ =0



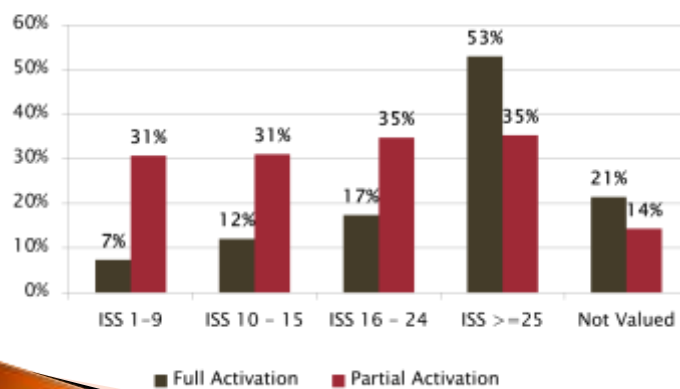
Comparing AVG LOS  
Hospital and ICU by ISS



AVG ICU LOS  
Comparing Region to National Stats



Activations (%)



#### Patients died/ injury cause =5

MVC40% (2)

Falls 20% (1)

Struck by object40% (2)



## **Preventable Mortality Study**

- Traumatic deaths for 2008
- 1008 initial cases
- Excluding for not-mechanical trauma, non-trauma, late effects;

Included study cases=440

Reviewed –to-date=203

Some early “front runner” issues of note;

-Lack of consistency in EMS documentation on deceased patients

-Differences in trauma care for elderly patients; co morbidities, medical care

-What constitutes “Futile Resuscitation”?

-Language change; “Preventability” vs. “Anticipated/unanticipated” deaths

-? OFI; STCC discussion

Primary Investigators

Thomas Esposito, MD, MPH, FACS, Loyola University St. Louis School of Medicine, Chicago

Stuart Reynolds, MD, FACS, Havre

## **1. Injury Prevention:**

Fall Prevention 2012-2014 Goals

1. Expand Stepping On To More Communities

Provide financial stipends to assist with implementation

2. Stepping On Leaders training, regional training beginning in the fall

Contact Bobbie Perkins for more information and training dates' [bperkins@mt.gov](mailto:bperkins@mt.gov)

## **2. Subcommittees**

1. Injury Prevention/Education

Lauri Jackson APRN

**Injury Prevention Coalition** next meeting 2013 dates to be set

Jody did a Distracted Driving Course in Shelby MT

Marie finished 6<sup>th</sup> Stepping On class at Benefis in Great Falls, 7th class scheduled for March 25, 2013

**Public Comments**

None

**Adjournment**

Lauri Jackson, APRN

**Next Pre-Hospital RTAC meeting**, January 22, 2012

**Future CRTAC Meeting Dates 2013**, January 24, 2013

Telemedicine sites available in Big Sandy, Chester, Choteau, Conrad, Cut Bank,

Fort Benton, Havre, Shelby, Helena and Great Falls

Respectfully submitted.

Marie Haynes Trauma Registrar, IP coordinator Benefis Healthcare